BIOS IT VSCALER
CONVERGED HPC, BIG DATA AND CLOUD PLATFORM

OVERVIEW
The BIOS IT vScaler simplifies data centre infrastructure by integrating server and storage resources into a turnkey appliance that is deployed in as little as 15 minutes from racking, and can run any application at any scale. Developed on top of Openstack technology, the BIOS IT vScaler enables agile development teams to quickly deploy scalable, production-ready private cloud environments.

VSCALER
BIOS IT in partnership with vScaler Ltd., can deliver end-to-end cloud services. This collaboration features an appliance for an on premise private cloud that is optimised for HPC applications.

VSCALER APPLICATION SPECIFIC CLOUD
vScaler is a private Cloud platform that enables the customer to implement a secure, scalable and flexible IT infrastructure enhancing transformation and creating operational efficiency and true business benefit. The vScaler cloud platform is powered by OpenStack; a leading open source IaaS provider, which powers many of the world's most notable science and research organisations.

An on premise private cloud appliance, optimised for HPC applications

Finance, Government, Broadcast & Media, Scientific Research, Oil & Gas, Manufacturing and Bioinformatics are simply a few of the verticals that can leverage the vScaler cloud platform and services. vScaler allows you to provision full HPC-on-Demand clusters, Big Data analytics, accelerated GPU compute (for Machine Learning), tiered and accelerated storage platforms. In contrast with other IaaS (Infrastructure as a Service) only platforms, we work with our clients to optimise their infrastructure (hardware and network) to allow their desired applications to run successfully in a private cloud environment.

VSCALER TECHNOLOGY CAPABILITIES

vScaler for HPC:
Our finely tuned software enables users to deploy HPC clusters of any scale. The HPC-on-Demand product provides a compelling solution for many challenges of delivering flexible infrastructure for research computing.

vScaler for Big Data:
Our interface takes all the administrative burden out of configuring a complex analytical cluster and software eco-system. Select from your preferred distribution (Hadoop, Cloudera, Hortonworks, MapR) and begin running data-intensive applications or IOT (Internet Of Things) analytics in minutes.

vScaler for AI & Deep Learning:
vScaler enables users to spin up a deep learning environment with all the appropriate DL frameworks installed and ready for use. These frameworks are also accelerated using the world's fastest GPUs, purpose-built to dramatically reduce training time for Deep learning and Machine Learning algorithms and AI simulations.

vScaler for Tiered & Accelerated Storage:
Leveraging multiple storage platforms, each with unique underlying technologies, vScaler can provide a wide range of solutions ideal for low latency, high performance data access. From DRAM to NVDIMMs, right through to traditional spinning disk, vScaler can deliver a tiered, optimal storage solution to eliminate bottlenecks.

Start your secure, enterprise grade cloud journey today!

Competitively priced, secure, fully supported and available immediately, vScaler and BIOS IT are poised and ready to simplify your infrastructure.

3U BLADE ENCLOSURE WITH THE FOLLOWING:

- 1 x Management Module
- 1 x 1Gbe Switch
- 1 x 10Gbe Swith
- 1 x Deployment Host Node - contains : 1 x E5-2609V4 CPU, 64GB DDR4-2400 Memory, 2 x 200GB 3DWPD SSD
- 3 x Controller Nodes - each node contains : 1 x E5-2609V4 CPU, 64GB DDR4-2400 Memory, 2 x 200GB 3DWPD SSD
- 3 x Storage Nodes - each node contains : 1 x Xeon D CPU, 128GB DDR4-2400 Memory, 2 x 200GB 3DWPD SSD, 2 x 1TB 4kN HDD
- 4 x Compute Nodes – each node contains : 2 x E5-2609V4 CPU, 128GB DDR4-2400 Memory, 2 x 200GB 3DWPD SSD
- Out of band management
- 3 Years next business day warranty

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